# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 06:00 on Friday 29 Dec 2023 until 23:59 on Saturday 30 Dec 2023

Forecast Issued on Friday 29 Dec 2023 at 04:20

**Confidence:** High for unsettled and often windy conditions through this period. Lower for rain or snow details and freezing levels.

**Headline for Friday 29 Dec 2023:** Very windy with significant wind chill. Spells of rain or snow.

**Mountain weather hazards on Friday 29 Dec 2023**

**Blizzards**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Storm force winds**
Low Likelihood

**Gales**
Medium Likelihood

**Severe chill effect**
Medium Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent rain**
Low Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Sleet | Sleet | Light snow | Light snow | Light snow | Light snow |
| Precipitation probability | | | | | |
| 60% | 60% | 60% | 60% | 40% | 40% |

**Forecast for Friday 29 Dec 2023**

**Weather:** Mostly cloudy with blustery, showery outbreaks of rain, falling as snow above 700m at first but lowering to 500m during the afternoon. Some of the showers could be heavy, especially in the afternoon and evening, with a small chance of thunder and hail. Showers perhaps merging to longer spells of precipitation in the west of the park.

**Chance of cloud-free hill tops above 600m:** 40%, best chance in east.

**Low Cloud and visibility:** Frequent cloud above 600m, with some patches down to 400m in showers. Cloud rising to higher slopes for longer spells over eastern hills. Away from cloud, mainly good visibility but occasionally poor in rain and down to a few hundred metres or less in snow.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Friday 29 Dec 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 40/52 SW | 33/44 W | 27/36 W | 23/32 W | 18/25 W | 16/21 W | 16/22 W |
| **300** | 22/45 W | 20/42 W | 16/32 W | 15/31 W | 13/28 W | 10/23 W | 9/20 W |
| **Valley** | 19/41 SW | 17/37 W | 13/29 W | 11/24 W | 7/20 W | 6/15 W | 5/13 W |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 2/-6 | 2/-5 | 2/-5 | 2/-5 | 1/-6 | 0/-6 | -0/-6 |
| **300** | 5/-0 | 5/-1 | 4/-1 | 4/-1 | 3/-2 | 2/-2 | 2/-2 |
| **Valley** | 6/2 | 6/2 | 6/2 | 6/2 | 4/1 | 3/1 | 3/1 |
| **Freezing Level*** | 900m | 900m | 800m | 700m | 700m | 600m | 600m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A bitterly cold day on the tops with frequent sleet or snow showers.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Fri 29 Dec 2023 | 21.6mm | 67.4mm | 68.2mm |

**Forecast for Saturday 30 Dec 2023**

**Weather:** Wintry showers dying out overnight. A dry start but sleet or snow will soon spread in from the southwest in the morning, turning to rain at all levels. The rain will be heavy for a while then clearing early afternoon with a drier spell likely before a more persistent spell of heavy, squally rain moves across the area late afternoon into early evening with drenching conditions. This clearing mid-evening.

**Maximum wind:** South or southeast 10-15mph increasing 30 to 40mph gust 55mph, easing slightly in afternoon.

**Chance of cloud-free hill tops above 600m:** 90% early morning but soon becoming 20% or less.

**Low Cloud and visibility:** Good visibility early morning but quickly worsening as sleet or snow arrives, becoming poor with extensive cloud above 500m. Cloud lifting and breaking in the afternoon but some patches down to 500m in showers. Conditions deteriorating again from late afternoon to mid-evening with extensive cloud bases to around 400m and very poor visibilities in heavy rain.

**Temperature:** **Valleys:** Plus 1C rising to 7C.
**At 600m:** Minus 1C rising to Plus 3C in afternoon.
**Freezing level:** 500m rising above summits in afternoon.

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